

*IFW*

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/824,706
Filing Date	04/15/2004
First Named Inventor	RUECKES et al.
Art Unit	2812
Examiner Name	TBA
Attorney Docket Number	112020.151US2 NAN-27

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	- Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<b>Remarks</b>	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	1. PTO Form 1449 (5 pgs.)	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	2. 35 Publications	

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Wilmer Cutler Pickering Hale and Dorr LLP		
Signature			
Printed name	Peter M. Dichiaro		
Date	3-30-05	Reg. No.	38,005

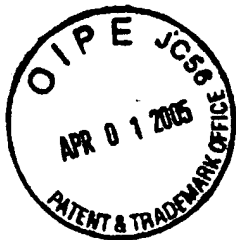
### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Tina M. Dougal	Date	3-30-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

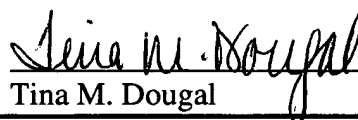
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: RUECKES et al.  
Serial No.: 10/824,706 Examiner: TBA  
Filed: April 15, 2004 Group Art Unit: 2812  
For: **Process For Making Bit Selectable Devices Having Elements  
Made With Nanotubes**  
Atty. Docket No.: 112020.151 US2 NAN-27

---

**CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 30, 2005.

  
Tina M. Dougal

---

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Applicants and their legal representatives hereby make of record on the attached Form PTO-1449 the following publications which are known to them and considered warranting disclosure under 37 C.F.R. §1.56 and 1.97-98.

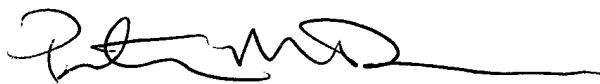
Copies of the publications listed on the attached Form PTO-1449, with the exception of U.S. patents and U.S. patent publications, are submitted herewith. It is respectfully requested that the Examiner initial and return a copy of the subject Form PTO-1449 with the next Patent Office communication.

The submission of these publications does not constitute a representation by the Applicants that a search has been made or that no better art exists and does not constitute an admission that the listed publications are material or constitute "prior art." Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed publications, should one or more of the publications be applied against the claims of the present application.

As the Information Disclosure Statement is being filed prior to the mailing date of the first Office Action on the merits, no fee is believed to be due. However, in the event a fee is due, please charge any fee deficiency or credit any overpayment to Deposit Account No. 08-0219.

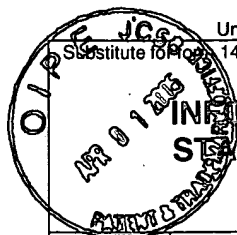
Respectfully submitted,

Dated: March 30, 2005

A handwritten signature in black ink, appearing to read 'Peter M. Dichiara', written over a horizontal line.

Peter M. Dichiara  
Registration No. 38,005  
Attorney for Applicants

Wilmer Cutler Pickering Hale and Dorr LLP  
60 State Street  
Boston, Massachusetts 02109  
Tel: (617) 526-6466  
Fax: (617) 526-5000



Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Sheet	1	of	5	Application Number	10/824,706
				Filing Date	April 15, 2004
				First Named Inventor	RUECKES et al.
				Art Unit	2812
				Examiner Name	TBA
				Attorney Docket Number	112010.151US2 NAN-27

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US 2002/0130311 A1	09-19-2002	LIEBER et al.	
		US 2002/0130353 A1	09-19-2002	LIEBER et al.	
		US 2002/0172963 A1	11-21-2002	KELLEY et al.	
		US 2002/0179434 A1	12-05-2002	DAI et al.	
		US-2003/0021966 A1	01-30-2003	SEGAL et al.	
		US-2003/0124325 A1	07-30-2003	RUECKES et al.	
		US-2003/0165074 A1	09-04-2003	SEGAL et al.	
		US-2003/0234407 A1	12-25-2003	VOGELI et al.	
		US-2003/0236000 A1	12-25-2003	VOGELI et al.	
		US-2004/0085805 A1	05-06-2004	SEGAL et al.	
		US-2004/0159833 A1	08-19-2003	RUECKES et al.	
		US-2004/0164289 A1	08-26-2003	RUECKES et al.	
		US-2004/0175856 A1	09-09-2004	JAIPRAKASH et al.	
		US-2004/0181630 A1	09-16-2004	JAIPRAKASH et al.	
		US-2004/0191978 A1	09-30-2004	RUECKES et al.	
		US-2004/0214366 A1	10-28-2004	SEGAL et al.	
		US-2004/0214367 A1	10-28-2004	SEGAL et al.	
		US-2005/0047277 A1	03-03-2005	RUECKES et al.	
		US-2005/0041465 A1	02-24-2005	RUECKES et al.	
		US-2005/0041566 A1	02-24-2005	RUECKES et al.	
		US-2005/0056877 A1	03-17-2005	RUECKES, et al.	
		US-3,448,302	06-03-1969	SHANEFIELD	
		US-4,845,533	07-04-1998	PRYOR et al.	
		US-4,853,893	08-01-1989	EATON et al.	
		US-4,876,667	10-24-1989	ROSS, et al.	
		US-4,888,630	12-19-1989	PATERSON	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is established to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/824,706
				Filing Date	April 15, 2004
				First Named Inventor	RUECKES et al.
				Art Unit	2812
				Examiner Name	TBA
Sheet	2	of	5	Attorney Docket Number	112010.151US2 NAN-27

	US-4,888,630	12-19-1989	PATERSON	
	US-5,198,994	03-30-1993	NATORI	
	US-6,044,008	03-28-2000	CHOI	
	US-6,048,740	04-11-2000	HSU et al.	
	US-6,128,214	10-03-2000	KUEKES et al.	
	US-6,159,620	12-12-2000	HEATH et al.	
	US-6,183,714	02-06-2000	SMALLEY et al.	
	US-6,198,655	03-06-2001	HEATH et al.	
	US-6,221,330 B1	04-24-2001	MOY et al.	
	US-6,232,706	05-15-2001	DAI et al.	
	US-6,445,006	09-03-2002	BRANDES et al.	
	US-6,518,156 B1	02-11-2003	CHEN	
	US-6,548,841	04-15-2003	FRAZIER et al.	
	US-6,559,468 B1	05-06-2003	KUEKES et al.	
	US-6,574,130	09-04-2003	SEGAL et al.	
	US-6,643,165	11-04-2003	SEGAL et al.	
	US-6,673,424 B1	01-06-2004	LINDSAY	
	US-6,706,402	03-16-2004	RUECKES et al.	
	US-6,750,471B2	06-15-2004	BETHUNE et al.	
	US-6,759,693	07-06-2004	VOGELI et al.	
	US-6,774,052	08-10-2004	VOGELI et al.	
	US-6,781,166 B1	08-24-2004	LIEBER et al.	
	US-6,784,028	08-31-2004	RUECKES et al.	
	US-6,803,840	10-12-2004	HUNT et al.	
	US-6,809,465	10-26-2004	JIN	
	US-6,835,591	12-28-2004	RUECKES et al.	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is established to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/824,706
				Filing Date	April 15, 2004
				First Named Inventor	RUECKES et al.
				Art Unit	2812
				Examiner Name	TBA
Sheet	3	of	5	Attorney Docket Number	112010.151US2 NAN-27

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		WO 01/44796 A1	06-21-2001	Board of Trustees of the Leland Stanford Junior University	
		WO 01/03208	01-11-2001	President and Fellows of Harvard College	
		WO 2003/091486	11-06-2003	Nantero, Inc.	
		WO 2004/065655	08-05-2004	Nantero, Inc.	
		WO 2004/065657	08-05-2004	Nantero, Inc.	
		WO 2004/065671	08-05-2004	Nantero, Inc.	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, volume-issue number(s), page(s), publisher, city and/or country where published.	T <sup>2</sup>
	A1	AJAYAN, P.M., et al., "Nanometre-size tubes of carbon," Rep. Prog. Phys., 1997, Vol. 60, pp. 1025-1062.	
	A2	AMI, S. et al., "Logic gates and memory cells based on single C <sub>60</sub> electromechanical transistors," Nanotechnology, 2001, Vol. 12, pp. 44-52.	
	A3	AVOURIS, Ph., "Carbon nanotube electronics," Carbon, 2002, Vol. 14, pp. 1891-1896.	
	A4	CASAVANT, M.J. et al., "Neat macroscopic membranes of aligned carbon nanotubes," Journal of Appl. Phys., 2003, Vol. 93(4), pp. 2153-2156.	
	A5	CHOI, W.-B. et al., "Carbon-nanotube-based nonvolatile memory with oxide-nitride-film and nanoscale channel," Appl. Phys. Lett., 2003, Vol. 82(2), pp. 275-277.	
	A6	CUI, J.B. et al., "Carbon Nanotube Memory Devices of High Charge Storage Stability," Appl. Phys. Lett., 2002, Vol. 81(17), pp. 3260-3262.	
	A7	DAI, H. et al., "Controlled Chemical Routes to nanotube Architectures, Physics, and Devices," J. Phys. Chem. B, 199, Vol. 103, pp. 111246-11255.	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is established to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				Application Number	10/824,706
				Filing Date	April 15, 2004
				First Named Inventor	RUECKES et al.
				Art Unit	2812
				Examiner Name	TBA
Sheet	4	of	5	Attorney Docket Number	112010.151US2 NAN-27

	A8	DEHON, A., "Array-Based Architecture for FET-Based, Nanoscale Electronics," IEEE Transactions on Nanotechnology, 2003, Vol. 2(1), pp. 23-32.	
	A9	DEQUESNES, M. et al., "Calculation of pull-in voltages for carbon-nanotube-based nanoelectromechanical switches," Nanotechnology, 2002, Vol. 13, pp. 120-131.	
	A10	DEQUESNES, M. et al., "Simulation of carbon nanotube-based nanoelectromechanical switches," Computational Nanoscience and Nanotechnology, 2002, pp. 383-386.	
	A11	FAN, S. et al., "Carbon nanotube arrays on silicon substrates and their possible application," Physica E, 2000, Vol. 8, pp. 179-183.	
	A12	FARAJIAN, A. A. et al., "Electronic transport through bent carbon nanotubes: Nanoelectromechanical sensors and switches," Phys. Rev. B, 2003, Vol. 67, pp. 205423-1 = 205423-6.	
	A13	FISCHER, J.E. et al., "Magnetically aligned single wall carbon nanotube films: Preferred orientation and anisotropic transport properties," Journal of Appl. Phys., 2003, Vol. 93(4), pp. 2157-2163.	
	A14	FRANKLIN, N. R. et al., "Integration of suspended carbon nanotube arrays into electronic devices and electromechanical systems," Appl. Phys. Lett., 2002, Vol. 81 (5), pp. 913-915.	
	A15	FUHRER, M.S. et al., "High-Mobility Nanotube Transistor Memory," Nano Letters, 2002, Vol. 2(7), pp. 755-759.	
	A16	HOMMA, Y. et al., "Growth of Suspended Carbon Nanotubes Networks on 100-nm-scale Silicon Pillars," Appl. Phys. Lett., 2002, Vol. 81(12), pp. 2261-2263.	
	A17	KINARET, J.M. et al., "A carbon-nanotube-based nanorelay," Appl. Phys. Lett., 2003, Vol. 82(8), pp. 1287-1289.	
	A18	LEE, K.-H. et al., "Control of growth orientation for carbon nanotubes," Appl. Phys. Lett., 2003, Vol. 82(3), pp. 448-450.	
	A19	RADOSAVLIEVIC, M. et al., "Nonvolatile molecular memory elements based on ambipolar nanotube field effect transistors," Nano Letters, 2002, Vol. 2(7), pp. 761-764.	
	A20	ROBINSON, L.A.W., "Self-Aligned Electrodes for Suspended Carbon Nanotube Structures," Microelectronic Engineering, 2003, Vol. 67-68, pp. 615-622.	
	A21	RUECKES, T., et al., "Carbon Nanotube-Based Nonvolatile Random Access Memory for Molecular Computing" Science, 2000, Vol. 289, pp. 94-97.	
	A22	SOH, H. T. et al., "Integrated nanotube circuits: Controlled growth and ohmic contacting of single-walled carbon nanotubes," Appl. Phys. Lett., 1999, Vol. 75(5), pp. 627-629.	
Examiner Signature			Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is established to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/824,706
				Filing Date	April 15, 2004
				First Named Inventor	RUECKES et al.
				Art Unit	2812
				Examiner Name	TBA
Sheet	5	of	5	Attorney Docket Number	112010.151US2 NAN-27

	A23	SREEKUMAR, T.V., et al., "Single-wall Carbon Nanotube Films", Chem. Mater. 2003, Vol. 15, pp. 175-178.	
	A24	TANS, S. et al., "Room-temperature based on a single carbon nanotube," Nature, 1998.Vol. 393, pp. 49-52.	
	A25	TOUR, J. M. et al., "NanoCell Electronic Memories," J. Am. Chem. Soc., 2003, Vol. 125, pp. 13279-13283.	
	A26	VERISSIMO-ALVES, M. et al., "Electromechanical effects in carbon nanotubes: Ab initio and analytical tight-binding calculations," Phys. Rev. B, 2003, Vol. 67, pp. 161401-1 = 161401-4.	
	A27	WOLF, S., Silicon Processing for the VLSI Era; Volume 2 – Process Integration, Multi-Level-Interconnect Technology for VLSI and ULSI, 1990, Section 4.3 Materials for Multilevel Interconnect Technologies, pp. 189-191, Lattice Press, Sunset Beach	
	A28	WOLF, S., Silicon Processing for the VLSI Era; Volume 2 – Process Integration, 1990, Section 4.7 Manufacturing Yield and Reliability Issues of VLSI Interconnects, pp. 260-273, Lattice Press, Sunset Beach	
	A29	ZHAN, W., et al., "Microelectrochemical Logic Circuits, J. Am. Chem. Soc., 2003, Vol. 125, pp. 9934-9935.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is established to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.